Updating distributed materialized views
A Segev, J Park - IEEE Transactions on Knowledge and Data ..., 1989 - ieeexplore.ieee.org
Abstract-This paper deals with the problem of **updating** material- ized **views** in **distributed** database systems. We prescribe an architec- ture and detailed procedures to **update** a collection of remote **views** with arbitrary refresh times by using a single differential me. The ef- ficiency of the **...**
Cited by 94 - Related articles - All 7 versions

View maintenance in a warehousing environment psu.edu [PDF]
Y Zhuge, H Garcia-Molina, J Hammer, J ... - Proceedings of the 1995 ..., 1995 - portal.acm.org
... In both centralized and **distributed** systems, there are three general approaches to the timing of **view** main- tenance: immediate **update** [BLT86], which updates the **view** after each base relation is updated, deferred **update** [RK86], which updates the **view** only when a query is is- **...**
Cited by 587 - Related articles - BL Direct - All 43 versions

Updating distributed variables in local computations
M Gerndt - Concurrency: Practice and Experience, 1990 - interscience.wiley.com
... 2(3), 171-193 (SEPTEMBER 1990) **Updating distributed** variables in local computations MICHAEL GERNDT University of Vienna Institute for Statistics and Computer Science Rathaurstr. **...** Page 3. **UPDATING DISTRIBUTED** VARIABLES IN LOCAL COMPUTATIONS 173 **...**
Cited by 144 - Related articles - All 3 versions

Algorithms for deferred view maintenance psu.edu [PDF]
LS Colby, T Griffin, L Libkin, IS Mumick, H ... - Proceedings of the ..., 1996 - portal.acm.org
... incrementally **updating** materialized **views** when the base tables used to derive the **views** are updated **...** Permission to make digitabhard copy of part or all of this work for personal or classroom use is granted without fee provided that copies are not made or **distributed** for profit or **...**
Cited by 206 - Related articles - BL Direct - All 17 versions

Materialized view maintenance and integrity constraint checking: Trading space for time psu.edu [PDF]
KA Ross, D Srivastava, S Sudarshan - ACM SIGMOD Record, 1996 - portal.acm.org
... The maintenance of a collection of simple (Select- Project) **views** in a **distributed** system is discussed in [20], where a very simple form of multi-query optimization is used to screen updates that need to be sent to remote sites. The work is extended **...**
Cited by 176 - Related articles - BL Direct - All 16 versions

Heterogeneous distributed database systems for production use psu.edu [PDF]
G Thomas, GR Thompson, CW Chung, E ... - ACM Computing ..., 1990 - portal.acm.org
... 1.3 **Distributed** Transaction Management **Distributed** transaction management pro- vides the ability to read and/or **update** data at multiple sites **...** One potential advantage of centralized permissions is that a user can be given access to certain **distributed views** while being denied **...**
Cited by 160 - Related articles - All 10 versions

[PDF] **Optimal update policies for distributed materialized views** jstor.org [PDF]
A Segev, W Fang - Management Science, 1991 - JSTOR
ARIE SEGEV AND WEIPING FANG Walter A. Haas School of Business, University of California at Berkeley, Berkeley, California 94720 Information & Computing Sciences Division, Lawrence Berkeley Laboratory, Berkeley, California 94720 Industrial Engineering & Operations **...**
Cited by 39 - Related articles - All 4 versions

Designing object-oriented synchronous groupware with COAST psu.edu [PDF]
C Schuckmann, L Kirchner, J Schümmer, ... - Proceedings of the ..., 1996 - portal.acm.org
... objects, sessions, display **updating**, concurrency control INTRODUCTION Groupware allows several geographically **distributed** people to work together with the aid of a **...** interactive synchronous groupware, three abstract requirements can be stated from the user's point of **view**: **...**
Cited by 203 - Related articles - All 20 versions

Supporting multiple view maintenance policies ncu.edu.tw [PDF]
LS Colby, A Kawaguchi, DF Lieuwen, IS ... - Proceedings of the ..., 1997 - portal.acm.org
... The trade-offs between different main- tenance policy assignments are studied by measuring refresh times, **update** times, query response times, total elapsed times and number of refreshes. **...**

Notions of consistency for **views** in **distributed** environments have been presented in **...**
Cited by 104 - Related articles - BL Direct - All 9 versions

[PDF] Data warehouse configuration psu.edu [PDF]
D Theodoratos, T Sellis - Proceedings of the International Conference on ..., 1997 - Citeseer
... This cost involves the cost of transmitting data (**update** differentials, query data and answer data), computing updates, and performing updates to the affected **views**. In a **distributed** environ- ment, the transmission cost is predominant while in a centralized one, the cost of **...**
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